

Work Order ID 77457

December-07-11 2:55:10 PM

77457

Page 1

Item ID: D3281-2L02

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Floor Protector, Fwd RH (Black)

Stop

NS2

Start Date: 07/12/2011 Start Qty: 4.00

4

Cust Item ID:

Required Date: 21/12/2011 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 11/12/07

Tooling: _____

Date: _____

Run

Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr								
D3281	Rev F								
DSI 9504	A								

100

100

HAND FINISHING THERMOFORMING

Thermoform

Thermoforming Machine

Memo

Cut Blanks

0.00

*4

DR
11/12/07

105

105

Dry Material

HandThermo

Hand Finishing Thermoforming

Memo

Dry Sheet as per QSI022 POLYCARBONATE

0.00

*4

DR
11/12/07

Temp: 74° F

Time IN: 4:00 pm 11/12/07

Time OUT: 2:00 am 11/12/07

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Page 2

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NS2

Start Date: 07/12/2011 **Start Qty:** 4.00

1

Cust Item ID:

Required Date: 21/12/2011 **Req'd Qty:** 4.00

1

Customer:

Reference:

Approvals: Process Plan:

Date: _____ Tooling: _____

Approvals: _____ **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Run Start

NR1

OC:

Date: _____ SPC (Y/N) _____

QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Stop

NRT
NRC

W/O:		WORK ORDER CHANGES							
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Stop

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4

Cust Item ID:

Required Date: 21/12/2011 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

140

QC2- Inspect parts off machine FAI/FAIB

140

QC

Quality Control

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

0.00

x4

dh.

01/12/14

150

QC5- Inspect part completeness to step on W/O

0.00

Su112116

(x4)

150

QC

Quality Control

160

160

Packaging

Packaging

Packaging

Memo

0.00

0.00

(4x)

SO 11-12-19.

PPP 77731 SP

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

**Sequence ID/
Work Center ID**

**Operation
Description**

**Set Up/
Run Hours**

Tool ID

Tool #

**Plan
Code**

**Accept
Qty**

**Reject
Qty**

**Reject
Number**

**Insp.
Stamp**

170

170

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

11/12/2010
H

11/12/2010
H

W/O:		WORK ORDER CHANGES							
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Picklist Print

Page 1

December-07-11 2:55:14 PM

Work Order ID: 77457

77457

Parent Item: D3281-2L02

D3281-21 02

Parent Item Name: Floor Protector, Fwd RH (Black)

Start Date: 07/12/2011

Required Date: 21/12/2011

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP Rev:A04.07.01New issueKJ/JLM

IPP Rev B 07.08.07 Thermoform in house DL

IPP Rev. C

Add Step 105 Dry Material 10/04/21 DL

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MLEXS.093-F6006-02		Purchased	No				sf	581.2996		17.332			**

MI FXS 093-F6006-02

GE PLASTICS LEXAN SHEET

Location	Loc Qty	Loc Code
therm	581.29958	
106751	105.89	
110877	475.40958	

6/18/08

17.332 sq ft

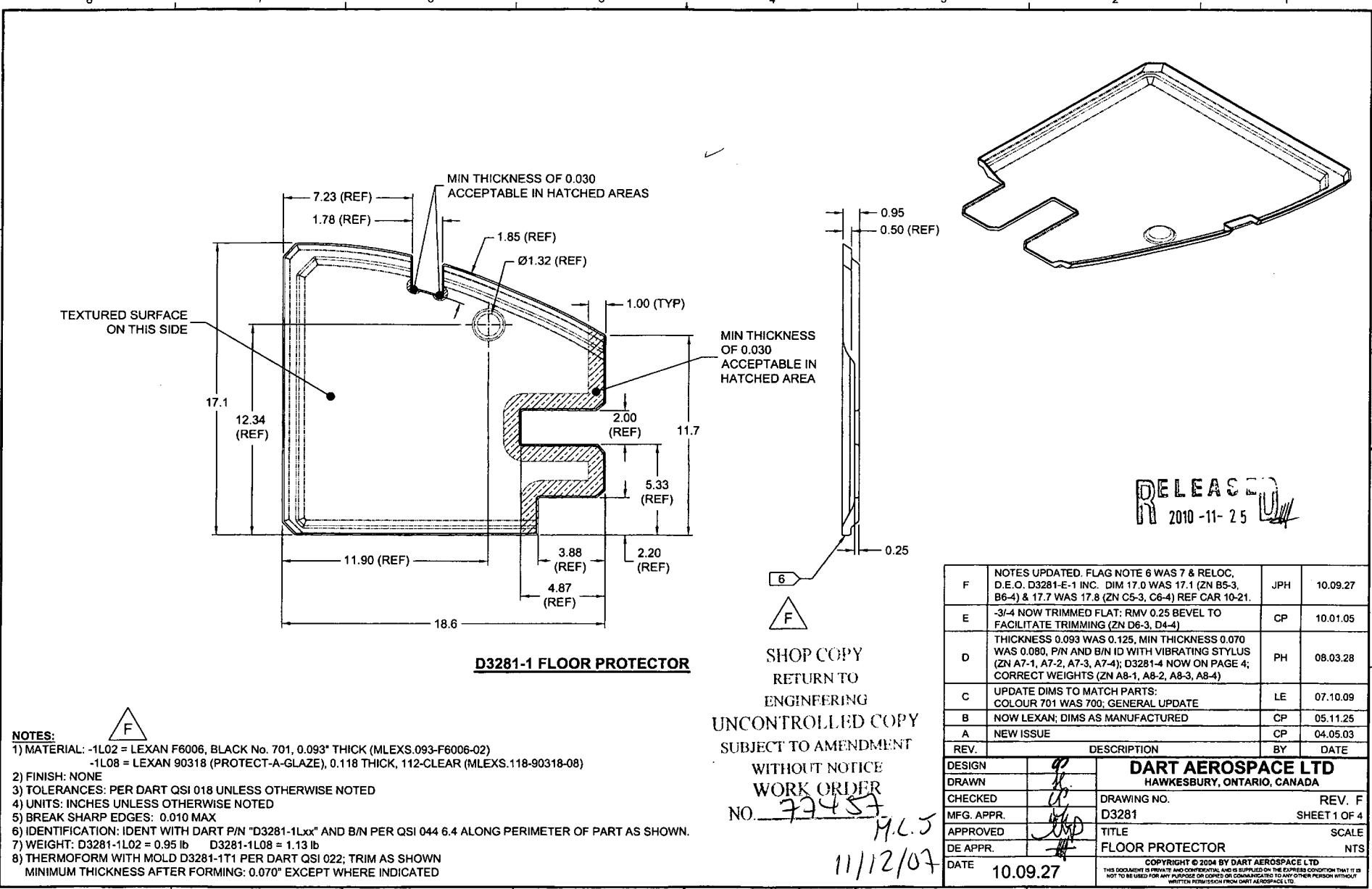
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NOTE: Date & initial all entries



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NOTE: Date & initial all entries

77457

8 7 6 5 4 3 2 1

D

D

C

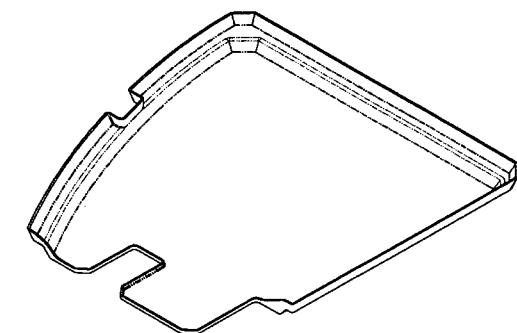
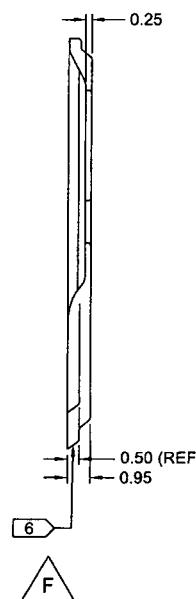
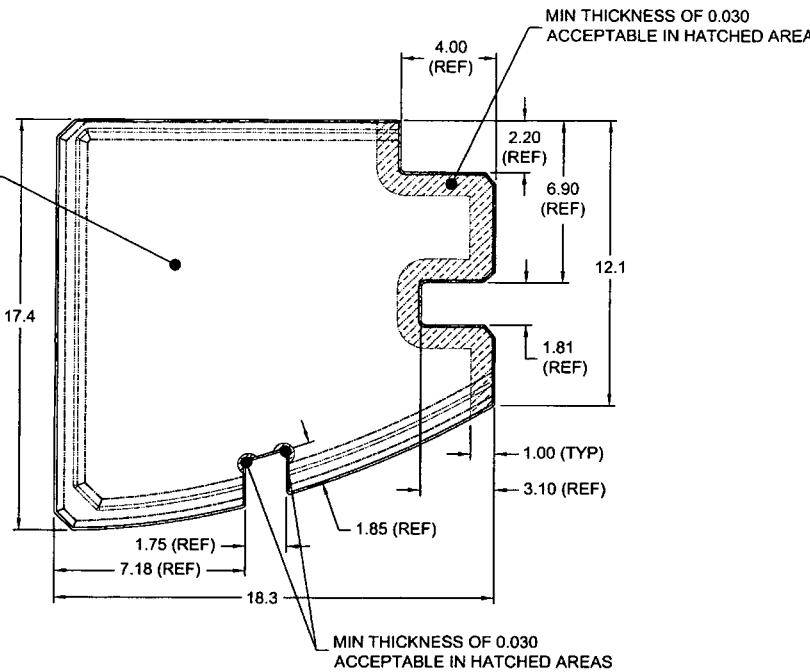
C

B

B

A

A



D3281-2 FLOOR PROTECTOR

NOTES:

- 1) MATERIAL: -2L02 = LEXAN F6006, BLACK No. 701, 0.093" THICK (MLEXS.093-F6006-02)
-2L08 = LEXAN 90318 (PROTECT-A-GLAZE), 0.118 THICK, 112-CLEAR (MLEXS.118-90318-08)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.010 MAX
- 6) IDENTIFICATION: IDENT WITH DART P/N "D3281-2Lxx" AND B/N PER QSI 044 6.4 ALONG PERIMETER OF PART AS SHOWN.
- 7) WEIGHT: D3281-2L02 = 0.95 lb D3281-2L08 = 1.13 lb
- 8) THERMOFORM WITH MOLD D3281-2T1 PER DART QSI 022; TRIM AS SHOWN
MINIMUM THICKNESS AFTER FORMING: 0.070" EXCEPT WHERE INDICATED

8 7 6 5 4 3 2 1

DESIGN	90	DART AEROSPACE LTD	
DRAWN	8	HAWKESBURY, ONTARIO, CANADA	
CHECKED	10	DRAWING NO.	
MFG. APPR.	12	REV. F	
APPROVED	13	D3281	
DE APPR.	14	SHEET 2 OF 4	
TITLE		SCALE	
FLOOR PROTECTOR		NTS	
DATE	10.09.27	COPYRIGHT © 2004 BY DART AEROSPACE LTD	
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

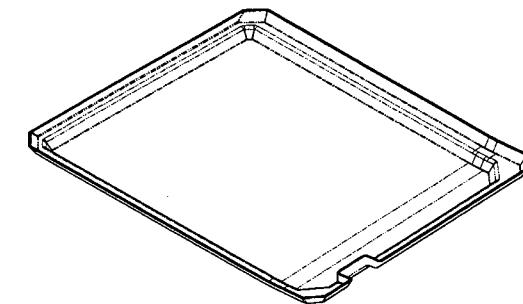
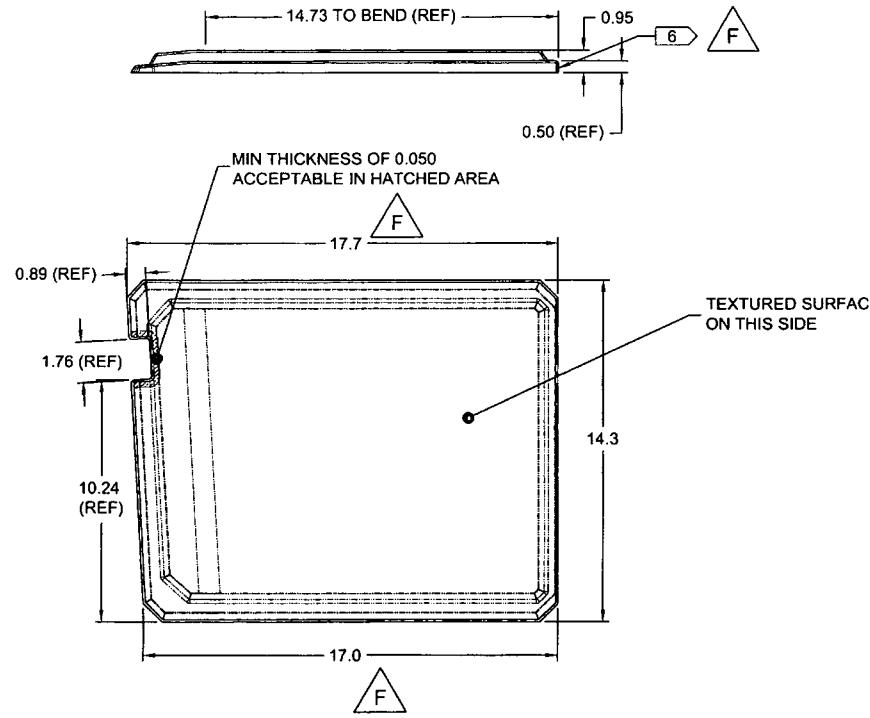
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

77457

8 7 6 5 4 3 2 1

D



B

C

D

A

C

B

NOTES:

- 1) MATERIAL: -3L02 = LEXAN F6006, BLACK No. 701, 0.093" THICK (MLEXS.093-F6006-02)
-3L08 = LEXAN 90318 (PROTECT-A-GLAZE), 0.118 THICK, 112-CLEAR (MLEXS.118-90318-08)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.010 MAX
- 6) IDENTIFICATION: IDENT WITH DART P/N "D3281-3Lxx" AND B/N PER QSI 044 6.4 ALONG PERIMETER OF PART AS SHOWN.
- 7) WEIGHT: D3281-3L02 = 0.87 lb D3281-3L08 = 1.05 lb
- 8) THERMOFORM WITH MOLD D3281-3T1 PER DART QSI 022; TRIM AS SHOWN
MINIMUM THICKNESS AFTER FORMING: 0.070" EXCEPT WHERE INDICATED

8 7 6 5 4 3 2 1

RELEASE
2010-11-25

DESIGN	<i>gp</i>	DART AEROSPACE LTD	
DRAWN	<i>jl</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>jl</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>jl</i>	D3281	SHEET 3 OF 4
APPROVED	<i>jl</i>	TITLE	SCALE
DE APPR.	<i>jl</i>	FLOOR PROTECTOR	NTS
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W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

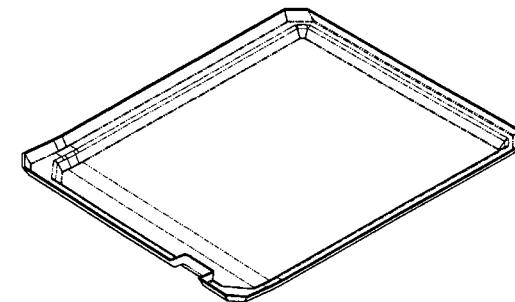
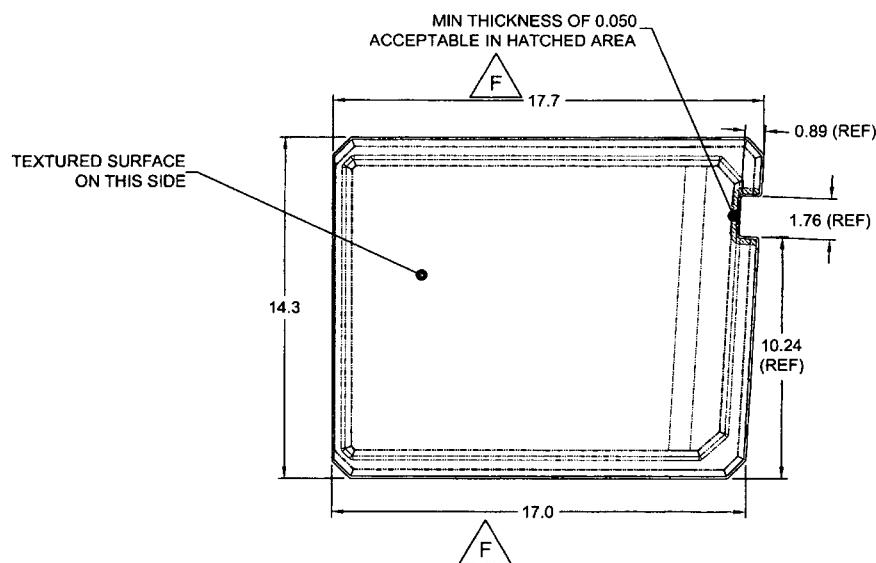
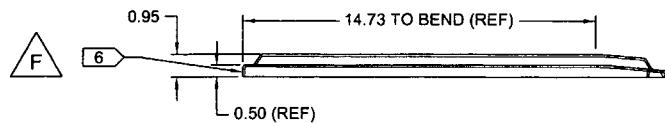
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

7745A

8 7 6 5 4 3 2 1

D



D3281-4 FLOOR PROTECTOR

D3281-4 NOTES:

- 1) MATERIAL: -4L02 = LEXAN F6006, BLACK No. 701, 0.093" THICK (MLEXS.093-F6006-02)
-4L08 = LEXAN 90318 (PROTECT-A-GLAZE), 0.118 THICK, 112-CLEAR (MLEXS.118-90318-08)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.010 MAX
- 6) IDENTIFICATION: IDENTIFICATION: IDENT WITH DART P/N "D3281-4Lxx" AND B/N PER QSI 044 6.4 ALONG PERIMETER OF PART AS SHOWN.
- 7) WEIGHT: D3281-4L02 = 0.87 lb D3281-4L08 = 1.05 lb
- 8) THERMOFORM WITH MOLD D3281-T1 PER DART QSI 022; TRIM AS SHOWN
MINIMUM THICKNESS AFTER FORMING: 0.070" EXCEPT WHERE INDICATED

8 7 6 5 4 3 2 1

RELEASE
2010-11-25

DESIGN	QP	DART AEROSPACE LTD	
DRAWN	AC	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AD	DRAWING NO.	REV. F
MFG. APPR.	SJ	D3281	SHEET 4 OF 4
APPROVED	SD	TITLE	SCALE
DE APPR.	MM	FLOOR PROTECTOR	NTS
DATE	10.09.27	COPYRIGHT © 2004 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PROVIDED OR SHOWN TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

W/O:		WORK ORDER CHANGES						
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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D044-719 REV. A
 AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D044-719 REV. 0
 REF TCCA STC: SH04-40
 REF FAA STC: SR02051NY
 REF EASA STC: EASA.IM.R.S.01075

PURPOSE:

To add the D044-719-011L08 Clear Cabin Floor Protectors. The -011L08 kit is similar to the existing -011 kit, however the plastic is transparent instead of solid black. The existing D044-719-011 kit will be re-identified as D044-719-011L02.

CHANGE:

The D044-719-011L08 Cabin Floor Protectors kit consists of four transparent plastic trays that are placed on the cabin floor to protect the carpets from damage. The -011L08 kit should be installed per the -011 kit of Installation Instructions IIN-D044-719 and maintained per Instructions for Continued Airworthiness ICA-D044-719. The parts list and weight & balance for the -011L08 kit is given below.

PARTS LIST

QTY -011L02	QTY -011L08	Part Number	Description
X		D044-719-011L02	Cabin Floor Protectors (Black)
	X	D044-719-011L08	Cabin Floor Protectors (Clear)
1		D3281-1L02	Floor Protector, Fwd LH, Black
1		D3281-1L08	Floor Protector, Fwd LH, Clear
1		D3281-2L02	Floor Protector, Fwd RH, Black
1		D3281-2L08	Floor Protector, Fwd RH, Clear
1		D3281-3L02	Floor Protector, Aft LH, Black
1		D3281-3L08	Floor Protector, Aft LH, Clear
1		D3281-4L02	Floor Protector, Aft RH, Black
1		D3281-4L08	Floor Protector, Aft RH, Clear
8	8	D2854-1-100	Looped Velcro Strip
8	8	D2854-3-100	Hooked Velcro Strip

WEIGHT AND BALANCE

Installation	Weight	Lateral		Longitudinal	
		Arm	Moment	Arm	Moment
D044-719-011L02 Cabin Floor Protectors	3.9 lb 1.8 kg	0 in 0 m	0 in-lb 0 m-kg	50 in 1.27 m	195 in-lb 2.3 m-kg
D044-719-011L08 Cabin Floor Protectors	4.4 lb 2.0 kg	0 in 0 m	0 in-lb 0 m-kg	50 in 1.27 m	220 in-lb 2.5 m-kg

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	D. SHEPHERD (DE # 02)
DATE:	10.02.24
CERT. NO.:	SH04-40
ISSUE NO.:	1

A	NEW ISSUE	CP	10.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	99	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	99		
CHECKED	X	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9504	SHEET 1 OF 1
APPROVED	X	TITLE	SCALE
DE APPR.	X	FLOOR PROTECTOR KIT, CLEAR	NTS
DATE	10.02.24	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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DART AEROSPACE LTD	Work Order:	77457
Description: Floor Protector, Fwd RH	Part Number:	D3281-2
Inspection Dwg: D3281 Rev: F		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

THERMOFORMING SECTION

Description	Accept	Reject	Method of Inspection	Comments
Inside Radii less than 0.1875" Go/No Go	✓			
Shape Definition	✓			
Texture Retention	✓			
Material imperfections such as bumps, cracks, voids, scratching	✓			

Measured by

30

Date:

4/13/07

TRIMMING SECTION

Measured by:

30

Date:

11/12/14

Audited by:

1

Date:

4.11211

Preliminary Approval:

Date:

Rev	Date	Change	Revised by	Approved
A	08.02.28	New Issue	KJ/DL	
B	08.04.16	Dimensions updated per Dwg Rev D	KJ/DL	
C	08.07.23	Dwg Rev updated	KJ/DL	
D	08.09.12	Tolerance revised for 0.070 dimension	KJ/DL	
E	10.09.01	Dwg Rev updated	KJ	
F	11.06.21	Dwg Rev updated	KJ	